

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201307201.01

PROVIDE BEAMS FOR BR 2-195A ON WEST RAILROAD AVE SUSSEX COUNTY

Thursday, April 11, 2013

Q #	Question	Answer
5	We will exclude unloading the beams at the job site. Is this correct?	The fabricator is responsible for the supply and transportation of the beams to the site (see note on sheet 2 of 4). The contractor is responsible for unloading the beams.

Friday, April 05, 2013

4	Is the fabricator required to allow the beams to sit for 28 days, or can the beams be shipped when they achieve 28 day strength?	This will be based upon strength testing and quality control/quality assurance testing and observations.
3	What is the turn around time for the approval of our mix design? What data is required for approval of mix design?	Assuming the question is about ASR testing, the data required is to show expansion values at 28 days. To be an acceptable mix, the expansion has to be below 0.08% at 28 days. Other alternatives can be reviewed in a quicker timeframe such as using 50% slag cement. We have history that a mixture combination with 50% slag cement is below our ASR threshold and further testing is not required. However, this requires an initial submission of the mix design for review. Paper reviews are completed within 10 days.
2	Was an analysis performed to check if the top flange of the NEXT beam will/will not crack during loading/unloading/transportation with the parapet cast on the beam? We feel that given the thickness of the top flange and the weight of the parapet, there could be a failure.	Addendum No. 1 provides that the parapet is to be Cast-In-Place by others. Please refer to Addendum No. 1.
1	On Sheet 2 "Typical Exterior Beam Reinforcing" the parapet is shown as precast. But on Sheet 4 "Parapet Details" Typical Section there is a shear key section shown as typical which makes us feel like the parapet is suppose to be C-I-P. Is the parapet to be Cast-in-Place?	Addendum No. 1 provides that the parapet is to be Cast-In-Place by others. Please refer to Addendum No. 1 for details.